

## ABSTRACT

A system and method for conducting secure distributed network  
5 communications without using Secure Socket Layer. A frame having an embedded  
security applet is forwarded by the device to an external node on the network. The  
security applet prompts a user at the external node for login data. Once valid, login  
data is established, subsequent frames sent between the device and external node  
includes a blank form with an appended string of tagged and concatenated secure  
10 field values encrypted using a key derived from the login data.

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